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PTO/SB/21 (02-04)

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TRANSMITTAL FORM

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Total Number of Pages in This Submission

Application Number	10/723,809
Filing Date	11/26/2003
First Named Inventor	WEISSBACH
Art Unit	1632
Examiner Name	
Attorney Docket Number	6818-66

ENCLOSURES (Check all that apply)		
<input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment/Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input checked="" type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Response to Missing Parts/ Incomplete Application <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation <input type="checkbox"/> Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____	<input type="checkbox"/> After Allowance communication to Technology Center (TC) <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): Postcard
Remarks No fees are believed due; however, please charge any deficiencies to Deposit Acct No. 50-0951.		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm or Individual name	Gregory A. Nelson Akerman Senterfitt
Signature	
Date	8-10-04

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Signature	
Date	8-10-04

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re: Application of WEISSBACH et al.

Application No.: 10/723,809

Examiner:

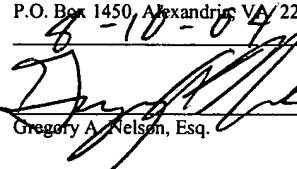
Date Filed: November 26, 2003

Group: 1632

For: CATALYTIC ANTIOXIDANTS AND METHODS OF USE

CERTIFICATE UNDER 37 CFR 1.8(a)

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Gregory A. Nelson, Esq.

Reg. No. 30,577

Commissioner for Patents
P. O. Box 1450
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Dear Sir:

Pursuant to the Duty to Disclose under 37 C.F.R. §1.56, the references cited on the accompanying forms PTO/SB/08A and PTO/SB/08B are hereby brought to the attention of the Examiner for independent evaluation.

The submission of the listed documents is not intended as an admission that any such documents constitute prior art against the claims of the present application. Applicants do not waive any right to take any action that would be appropriate to antedate or otherwise remove any listed document as a competent reference against the claims of the present application.

Applicants respectfully request that the listed documents be considered by the Examiner and made of record in the present application and that initialed copies of forms PTO/SB/08A and PTO/SB/08B be returned in accordance with MPEP §609.

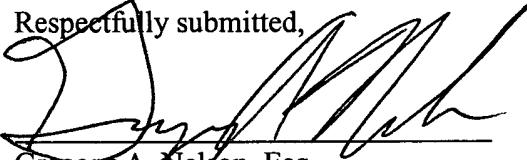
Certification

This Statement is being filed within three months of the filing of this application and/or prior to the issuance of the first Office Action for the present application, and this paper is thus submitted in accordance with 37 CFR §1.97(b). In view of this certification, a fee is not required for consideration of these documents. Nevertheless, should a fee be deemed to be due by the Commissioner, such fee should be charged to Deposit Account No. 50-0951.

Date: 8-10-04

Docket No. 6818-66

Respectfully submitted,


Gregory A. Nelson, Esq.
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Substitute for form 1449/PTC

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Complete if Known	
Application Number	10/723,809
Filing Date	11/26/2003
First Named Inventor	Weissbach
Art Unit	1632
Examiner Name	
Attorney Docket Number	6818-66

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of 2

U. S. PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS

Examiner Signature		Date Considered	
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Substitute for form 1449/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet

2

of

3

Complete if Known

Application Number 10/723,809

Filing Date 11/26/2003

First Named Inventor Weissbach

Art Unit 1632

Examiner Name

Attorney Docket Number 6818-66

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		Minetti, G., et al., "Reduction of Dabs-L-Methionine-dl Sulfoxide by Protein Methionine Sulfoxide Reductase from Polymorphonuclear Leukocytes: Stereospecificity towards the l-Sulfoxide," Ital. J. Biochem 43, 273-283 (1994)	
		Grimaud, R., et al., "Repair of Oxidized Proteins," J. Biol. Chem. 276, 48915-48920 (2001)	
		Rahman, M., et al., "High Level Expression and Purification of Peptide Methionine Sulfoxide Reductase in <i>Escherichia Coli</i> ," Cellular & Molecular Biol. 38, 529-542 (1992)	
		Etienne, F., et al., "A Methionine Sulfoxide Reductase in <i>Escherichia coli</i> that Reduces the R Enantiomer of Methionine Sulfoxide," Biochem. & Biophys. Res. Comm. 300, 378-382 (2003)	
		Spector, D., et al., "New Membrane-associated and Soluble Peptide Methionine Sulfoxide Reductases in <i>Escherichia coli</i> ," Biochem. & Biophys. Res. Comm. 302, 284-289 (2003)	
		Kita, Y., et al., "Enantioselective Total Synthesis of a Potent Antitumor Antibiotic, Fredericamycin A," J. Am. Chem. Soc. 123, 3214-3222 (2001)	
		Fukuyama, T., et al., "Stereocontrolled Synthesis of (-)-Hapalindole G," J. Am. Soc. 116, 3125-3126 (1994)	
		Conte, V., et al., "Asymmetric Oxidation of Thioethers. Enantioselective Synthesis of β-Hydroxysulfoxides by Direct Oxidation," Tetrahedron Lett. 30, 4859-4862 (1989)	
		O'Donnell, M., et al., "The Stereoselective Synthesis of α-Amino Acids by Phase-Transfer Catalysis," J. Am. Chem. Soc. 111, 2353-2355 (1989)	
		Hartley, A., et al., "Complex I Inhibitors Induce Dose-Dependent Apoptosis in PC12 Cells: Relevance	

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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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				Application Number	10/723,809
				Filing Date	11/26/2003
				First Named Inventor	Weissbach
				Art Unit	1632
				Examiner Name	
Sheet	3	of	3	Attorney Docket Number	6818-66

NON PATENT LITERATURE DOCUMENTS						
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.				T ²
		Rosen, D., et al., "Mutations in Cu/Zn Superoxide Dismutase Gene are Associated with Familial Amyotrophic Lateral Sclerosis," Natuer 362, 59-62 (1993)				
		Weissbach, H., et al., "Peptide Methionine Sulfoxide Reductase: Structure, Mechanism of Action, and Biological Function," Archives of Biochem. & Biophys. vol. 397, no. 2, 172-178 (2002)				
		Moskovitz, J., et al., "Methionine Sulfoxide Reductase (Msra) is a Regulator of Antioxidant Defense and Lifespan in Mammals," PNAS, vol. 98, no. 23, 12920-12925 (2001)				
		Ruan, H., et al., "High-quality Life Extension by the Enzyme Peptide Methionine Sulfoxide Reductase," PNAS, vol. 99, no. 5, 2748-2753 (2002)				
		Ejiri, S., et al., "The Purification of Methionine Sulfoxide Reductase from <i>Escherichia coli</i> , Anal. Biochem. 102, 393-398 (1980)				
		Brot, N., et al., "Reduction of N-Acetyl Methionine Sulfoxide: A Simple Assay for Peptide Methionine Sulfoxide Reductase, Anal. Biochem., 122, 291-294 (1982)				
		Moskovitz, J., et al., "Cloning and Expression of a Mammalian Gene Involved in the Reduction of Methionine Sulfoxide Residues in Proteins, Proc. Natl. Acad. Sci., 93, 2095-2099 (1996)				

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